Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Saturday 12 Feb 2022 until 23:59 on Sunday 13 Feb 2022

Forecast Issued on Friday 11 Feb 2022 at 11:52

Confidence: There is some uncertainty in the exact location of heavier rain on Saturday and a chance that northern Fells will be drier than the forecast below. Otherwise high confidence for a period of unsettled, windy and wet weather, with some wintry periods too, over the forecast period.

Headline for Saturday 12 Feb 2022: Persistent heavy rain for much of the day with southwesterly gales, severe gales at times on the summits.

Mountain weather hazards on Saturday 12 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Sleet	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Cloudy
Precipitation probability							
60%	60%	70%	80%	80%	80%	50%	20%

Forecast for Saturday 12 Feb 2022

Weather: Rain or sleet will continue through the night, with freezing level rising above all summits it will turn to rain at all levels. Rain will continue through the morning and be quite persistent and heavy at times, accompanied by southwesterly gales it will feel quite cold and make for difficult walking conditions. There is a little uncertainty in where the heaviest rainfall will be and a chance that the Northern Fells will see some drier conditions in the afternoon and that perhaps rain will ease and become more showery for all during the afternoon. It is likely that it will clear south during the evening.

Chance of cloud-free hill tops above 800m: 20% or less, very little chance with widespread low cloud associated with heavy rain, perhaps the best chance is later in the afternoon in the north.

Low cloud and visibility: A poor visibility day for the Lake District with widespread extensive low cloud covering most fell tops and poor low level visibility in heavy rain, visibility perhaps moderating a little in the north in the afternoon with the odd glimmer of a fell top a possibility. Low cloud layers are expected to be broken, extensive in the west, from 400m and above, perhaps lifting to 500m and above in the afternoon.

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Met Office Mountain Weather Forecast

Forecast for Saturday 12 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	46/59 S	51/66 SW	54/70 SW	56/73 SW	48/64 SW	41/54 SW	34/46 SW	30/41 SW	27/37 SW
600	38/52 S	42/58 SW	43/60 SW	46/64 SW	40/58 SW	33/47 SW	28/42 SW	25/37 SW	23/34 SW
300	16/43 S	17/46 S	17/47 SW	19/50 SW	19/45 S	15/37 SW	13/34 SW	13/31 SW	12/28 SW
Valley	16/38 S	19/44 SW	21/47 SW	22/48 SW	22/44 S	18/37 SW	14/30 SW	13/27 SW	13/26 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-11	0/-9	1/-9	1/-8	2/-7	2/-6	2/-5	2/-5	2/-5
600	1/-8	2/-6	2/-6	3/-5	3/-4	4/-3	4/-2	4/-2	3/-2
300	3/-2	4/-1	4/-1	5/-1	5/0	5/1	6/2	6/2	5/2
Valley	5/1	6/2	6/2	7/2	7/2	7/3	8/5	8/4	8/4
Freezing Level*	700m	1000m	1100m	1300m	1300m	1300m	1200m	1100m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

There is the risk of some localised flooding of watercourses around the Lake District and it is likely to become very wet underfoot by the afternoon. Very strong winds accompanying the heavy rain will add to the wind chill effect making it feel very cool. Difficult walking conditions are likely in these conditions and it may be slippery underfoot with rain falling on some existing snow which may also melt and add to the waterflow.

Forecast for Sunday 13 Feb 2022

Weather: After a dry overnight period further rain will spread north around dawn and become heavy and persistent for much of the day, there will be a few drier interludes but it is hard to define when these will be.

Maximum wind: Southerly 15-20 mph with gusts 30mph.

Chance of cloud-free hill tops above 800m: 10% or less, extensive low cloud around the fells most of the day in association with rain.

Low cloud and visibility: Extensive low cloud layers above 300m for much of the day, perhaps further east will see broken cloud above 4-500m. Visibility will be poor for much of the day in heavy rain.

Temperature: **Valleys:** Plus 4 rising to 8 Celsius.
At 800m: Plus 3 Celsius.
Freezing level: Above the summits, falling to 1000m by evening.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Friday 11 February 2022. Location: Helvellyn summit at 12:45 Full report: A cold and clear morning with relatively light winds and cloud shrouding some of the higher tops. Another dusting of hill snow fell overnight and terrain was widely frozen above 700m. Ice was also present on paths at lower elevations. Although snow cover in the higher fells is generally quite thin, patches of old, hard snow (névé) are still present, predominantly above 800m on steep north through east-facing slopes and these are now partially covered by accumulations of new snow. Swirral and Striding edge were a mixture of dry rock and snow today, however, the exits to both have areas of old hard and icy snow that needs to be crossed to get to the summit. A slip in either of these locations could have very serious consequences. An ice axe and crampons/microspikes are strongly recommended. The summit windchill temperature was around -11°C at times today. As such, warm and waterproof clothing including hats and gloves are all essential. Additional equipment including a map, compass, and headtorch are also essential items for anyone venturing out into the fells. Temperature: minus 2.1 C, Maximum wind speed 23.0 mph, Wind chill: minus 11.3 C, Average wind speed: 17.0mph

Issued at: 1152 on Fri 11 Feb 2022

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